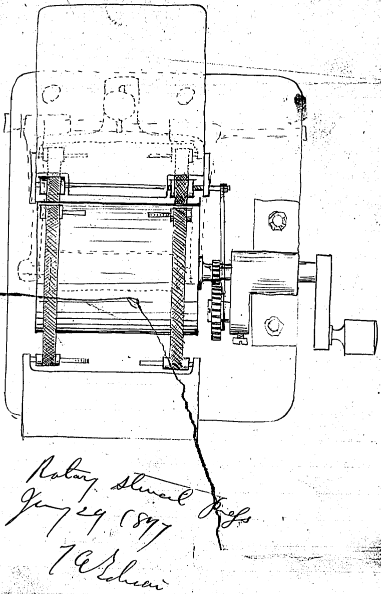
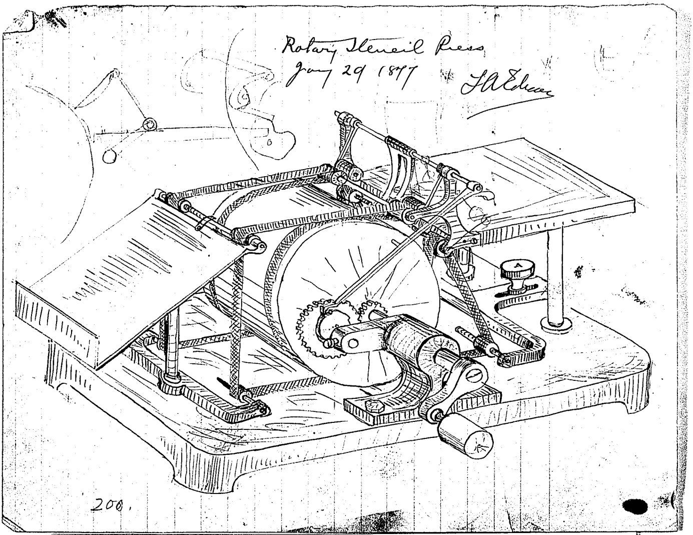
1877. Electric Pen and Duplicating Press (NS-77-002)



Rotary Stencil Press
Jany 24 1877
T A Edison



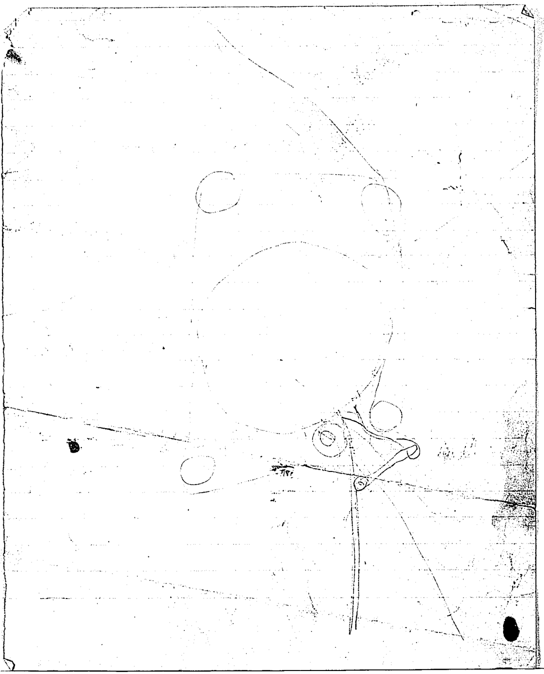
Rotary Stencil Press
Jany 29 1877
TAEdison

200.

Unbound Notes and Drawings, 1874-1878

1877. Electric Pen and Duplicating Press (NS-77-002)

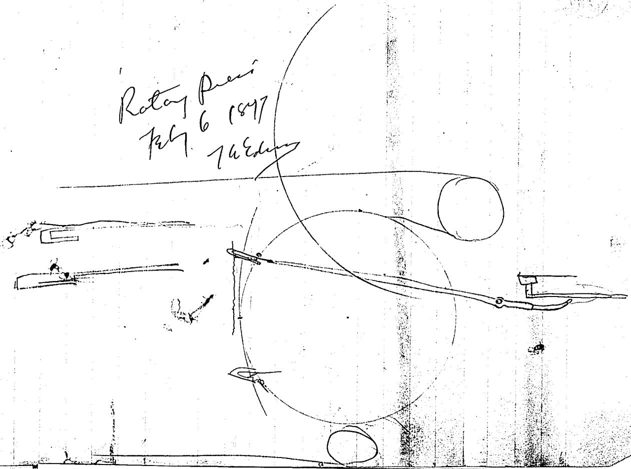
[These pages probably follow the document on Reel 7, Frame 427.]



Unbound Notes and Drawings, 1874-1878

1877. Electric Pen and Duplicating Press (NS-77-002)

[These pages probably follow the document on Reel 7, Frame 427.]

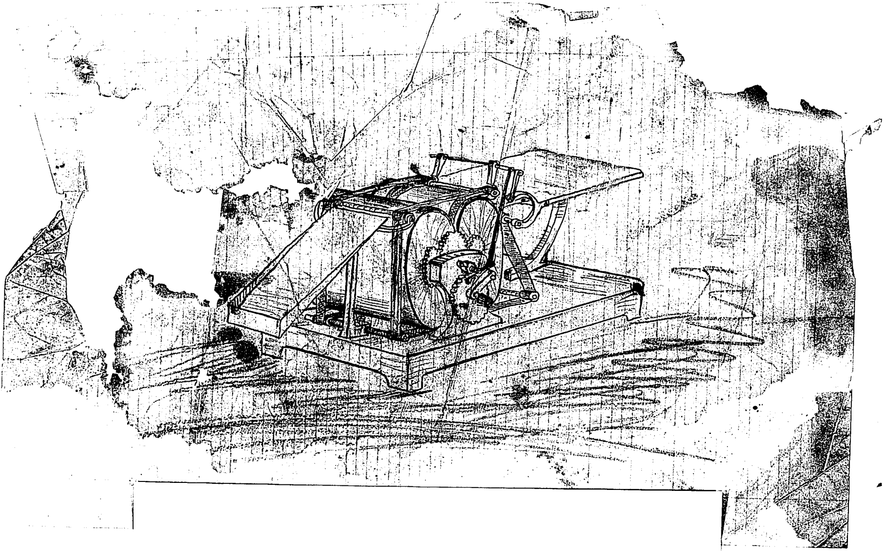


Rotary Press
Feb 6 1877
TA Edison

Unbound Notes and Drawings, 1874-1878

1877. Electric Pen and Duplicating Press (NS-77-002)

[These pages probably follow the document on Reel 7, Frame 427.]

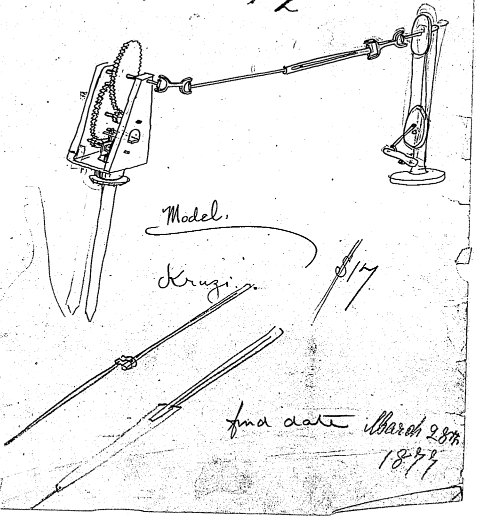


Unbound Notes and Drawings, 1874-1878

1877. Electric Pen and Duplicating Press (NS-77-002)

[These pages probably follow the document on Reel 7, Frame 427.]

No ~~[illegible]~~ No 2



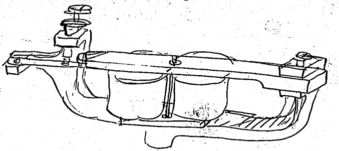
Model,

Kruzi.

$17

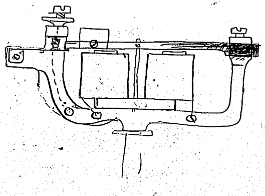
find date March 28th 1877

No. 6. & 7.

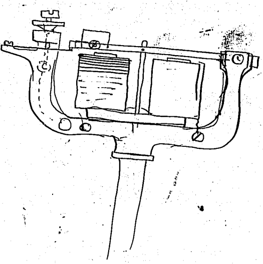


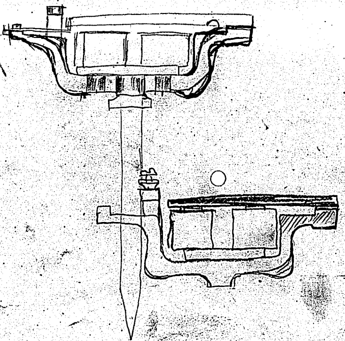
No. 1 delivered Apl. 10th
No. 2 " " 11th

1874



30
60
1800





Apl 30th 1877

Copying Experiments

A number of copies atonce

1 Wrote with liquid arsenic Acid and let dry, then we soaked piece of Blotting paper with aniline violet and Glycerine and took impressions in copying press by pressure very slight at first—

Result The ink also soaks through the paper and even with bond paper the press presses it through in some places

2 When we wrote with ordinary ink with a little Acetic Acid in it and dampened the sheets with water that had alittle Arsenic Acid in it we could get 5 copies at once on tissue paper

3

Apl 30th 1877

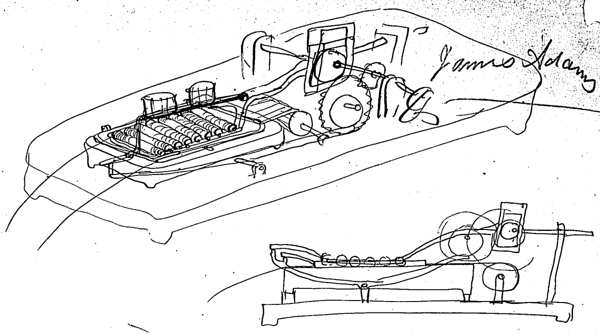
to find a oil or other Liquid that will not go through Paper

oil Cade goes through quick
oil Organium goes through, but dry very fast
oil cajaput " "
Balsam Copaiba " " Slightly
Balsam Peru " "
Neats Foot oil " "
Union Salad oil " "
Sperm oil " "

James Adams

Autographic Printing

June 10 1877
T A Edison


James Adams

Autographic Stencil Press —
Continuous Roll printing

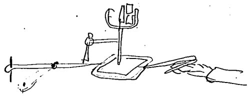
I have tried the stencil on a Gordon press with a cloth but this dont give good printing = I propose to put a train of rollers which are to take the place of the Regular roller or the Gordon Press & roll instead of pressing =

Autographic Printing

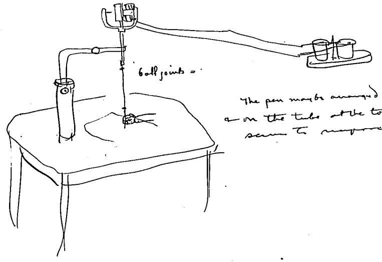
June 10 18
T A Ed

I write on a high hardsized paper with James arsenic or Acetate of Manganese. this de sizing & allows ink to pass through giving many impressions =

I claim writing on proper paper with arsenic acid or acetate of manganese & filling the swelled up writing with gum for the use of the blind =



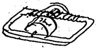
By this arrangement you move the paper instead of the pen

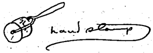


The pen may be arranged ~~to rotate the shaft~~ or on the tube at the top is the cam which serves to reciprocate the needle.

Autographic Printing = June 10 1877.

I propose to coat hard rubber with a Conducting substance for static Electricity & write on it with a point thus bearing the hard rubber I then propose to Electrify it and hold it over powdered dry aniline or Lamp black & take impression from it. or coat rubber with a Conducting substance write on a piece of paper with a substance which when pressed on the rubber will take off the Conducting substance & leave rubber bear ready for Electrifying





I just tried regular thick printers ink with a stencil & find that with rolling its too sticky but will work by pressure=

James Adams

Autographic Printing = June 10 1877

TA Edison

Boston

[illegible]

Boston

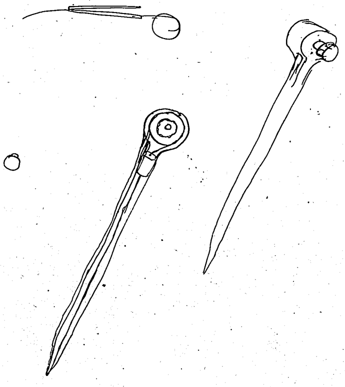
Boston

Boston

Boston

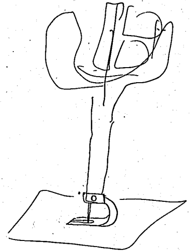
Make a vibrating pen vibrated with a magnet to write this way

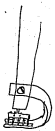
James Adams



Electric Pen

June 10 1877

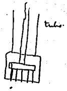




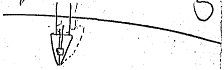
Works well.

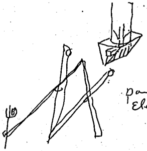
I have a new process for Duplicating and it works well I take hard sized paper coat it with wax on one side, cold then write with a point, this scratches the wax away where you write, I then wet a pad with aniline ink & lay it on the wax side ~~by writing~~ the sheet then waxed on the other side the ink comes through where the wax is gone ~~&~~ any no of dups can be taken

music drawer several needle



James Adams



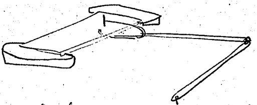


pantograph with Electric pen

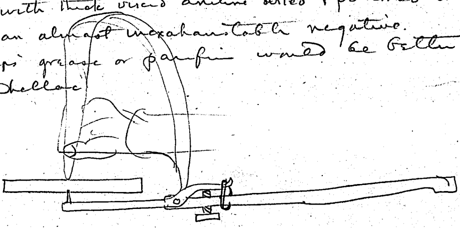
I propose to write with an amalgam of Mercury & sodium lay this on a smooth iron plate, and it will amalgamate the iron where written. I then connect iron to zinc of a battery & moisten my paper in Ferridcyanide potassium & salt lay it on iron & over this another metal plate connected to the carbon pole of a battery. the mercury will prevent the iron re acting & I get white letters on a blue back ground

Autographic printing

Apr 12 1877
T A Edison



Sheets covered with plaster paris & scratch underneath thin shellac'd or other material then filled with thick viscid aniline dried & polished it forms an almost inexhaustable negative. perhaps grease or paraffin would be better than the shellac



June 20 1877

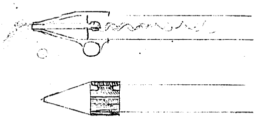
No 36
1454

Fixing Chisel for Tin foil Glass in Electric pen

$2 50/100

2 | 2.50
8 | 1.50 | 6

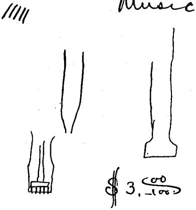
Edison



June 20 1877

T A Edison

Electric Pen for Music



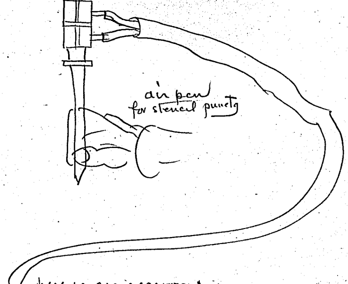
$3.00/100

No 37
HSA

6

Puncturing pen

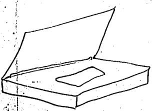
Jun 21 1877
T A Edison

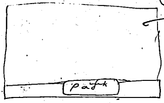

air pen
for stencil puncty
here is air reservoir &
valve arrangement

new process I coat thin high sized paper with a flexible varnish which never dries, or with Parafin similar substance, I coat it or on one side only taking care that none goes in the paper itself I lay this on a hard surface and write which a stylus or sharp point this scratches off the parafine or varnish and I sponge the varnished surface with Hydrochloric or arsenic acid this eats the size of the paper at the point left bare and then I lay the Varnished side down on an ink pad & the thing acts as a porous stencil for taking any number of copies

Multiple Copying Process . June 26 1877

T A Edison





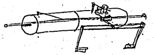
Message from New York.
To T. A. Edison May 7th 1878
do you wish us to come to Morrow morning sig ~~G. E.D Walker~~
Geo Walker

R Batchelr

Com to morrow morning
Sa

Autographic Printing. June 27th 1877

James Adams



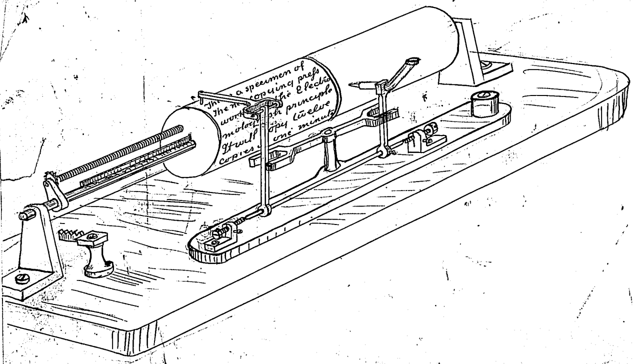
write on paper with Collodion Electrify the MSS by rubbing with dry substance – dust Aniline dust over a flat surface with a sieve – put Collodion ~~Sheet~~ MSS in frame & lower it which Electrified with 1/32 inch of the Aniline it will attract the particles & these adhere to the Collodion MSS; can be transferred to a wet sheet the Collodion MSS is dry in which you print from the transfer sheet & when dry re-electrify & go over same process.

Taking Multiple Impressions
Autographic Printing

June 29 1877
T A Edison

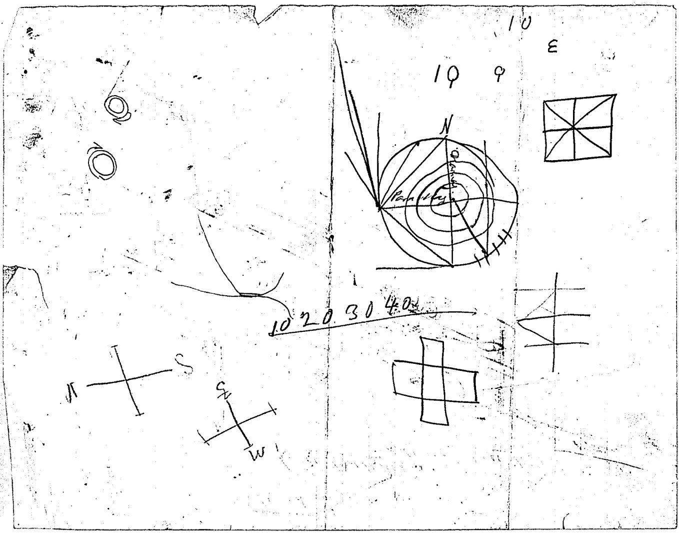
James Adams

Just discovered & tried first class process for Duplicating Letters Etc = I take a piece of paper ~~but~~ slightly bibulous, pass it through a bath of Collodion scraping off excess let it dry then lay it on blotting pad & write with a stylus of agate this slightly embosses it & the effect is to break the Collodion where it is written on & this sheet laid on an ink pad the ink will come through where the Collodion is broken & ~~pa~~ the mss may be duplicated to any extent = I find that the gums in alcohol or other Menstrum will do the same thing. in fact almost any substance that causes the paper to be impervious to & prevent the passage of the ink ~~which~~ can be used = Even printers ink (thinned by an oil can be used although an aniline or Colored ink works better =


Th a speeimen of
The n copying press
work the Electro
motog h principle
It will opy twelve
copies one minute

T. A. Edison

Chas Batchelor Menlo Pk Jan 1878


10
ε
10
9
N
Parallel
10 20 30 40
S
N
E
W